

Converting Colors

CIELCh(22, 12.750, 238.509)

Have a look what the booklet for
CIELCh(22, 12.750, 238.509)
contains.

CIELCh(22, 12.529, 238.499)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(22, 12.529, 238.499)

Conversions

Conversions Part 1

Format	Color
Hex	1C3844
RGB	28, 56, 68
RGB Percent	11%, 22%, 27%
CMY	0.8894, 0.7797, 0.7326
CMYK	0.59, 0.18, 0.00, 0.73
HSL	198°, 41%, 19%
HSV	198°, 59%, 27%
XYZ	2.9565, 3.5154, 6.0219
YIQ	48.9960, -20.5400, -2.2040

Conversions

Conversions Part 2

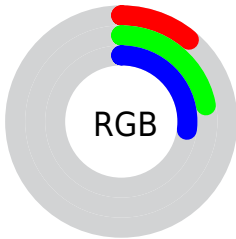
Format	Color
R_YB	28, 44, 68
Decimal	1849412
CIE Lab	22.00, -6.55, -10.68
CIE LCh	22, 12.529, 238.499
Yxy	3.5154, 0.2366, 0.2814
Android (android.graphics.Color)	4280039492 (0xFF1C3844)
YUV	48.9960, 9.3690, -18.4135
Hunter-Lab	18.7494, -4.6652, -5.9180

Details

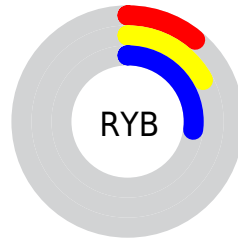
The CIELCh color **22, 12.529, 238.499** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **19, 17.660, 49.035**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 12.567, 237.448**, and **3, 8.370, 264.127** is the 20% darker color. If you saturate the color by 10%, you get **21, 14.107, 240.742**, and if you desaturate by 10%, it is **23, 10.758, 236.660**.

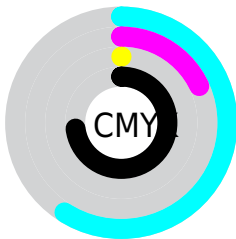
Distribution



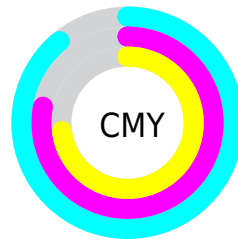
- Red (11%)
- Green (22%)
- Blue (27%)



- Red (11%)
- Yellow (17%)
- Blue (27%)



- Cyan (59%)
- Magenta (18%)
- Yellow (0%)
- Black (73%)



- Cyan (89%)
- Magenta (78%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 12.529, 238.499 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 22, 12.529, 238.499 by changing the saturation by 10% instead.

■ 22, 12.529,
238.499

■ 22, 12.529,
238.499

■ 100, 12.529,
238.499

■ 12, 12.529,
238.499

■ 42, 12.529,
238.499

■ 2, 12.529, 238.499

■ 52, 12.529,
238.499

■ 0, 12.529, 238.499

■ 62, 12.529,
238.499

■ 72, 12.529,
238.499

■ 82, 12.529,
238.499

■ 92, 12.529,

238.499

■ 22, 12.529,
238.499

■ 22, 12.529,
238.499

■ 21, 14.107,
240.742

■ 23, 10.758,
236.660

■ 20, 15.487,
243.455

■ 24, 8.809, 235.165

■ 19, 16.695,
246.630

■ 25, 6.703, 233.957

■ 27, 4.463, 232.990

■ 18, 17.934,
249.535

■ 28, 2.110, 232.253

■ 18, 18.108,
249.891

■ 29, 0.332, 50.792

■ 30, 2.847, 50.897

■ 32, 5.417, 50.517

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22, 12.529, 238.499



19, 17.660, 49.035

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22, 12.529, 238.499



22, 12.529, 288.499



22, 12.529, 58.499



22, 12.529, 108.499

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22, 12.529, 238.498



35, 5.385, 232.999



25, 25.040, 149.307



17, 3.762, 233.136



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22, 12.529, 238.498



28, 17.669, 241.844



15, 22.570, 289.226



12, 1.326, 232.242



27, 23.464, 252.710



61, 44.742, 256.855

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17, 25.200, 338.376



21, 36.088, 339.684



25, 20.906, 94.207



12, 2.373, 334.760



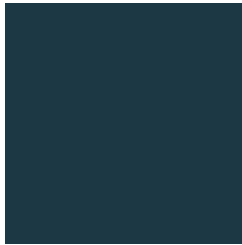
20, 45.969, 343.588



50, 83.598, 345.179

Previews

White Background



This preview shows how the CIE LCh color 22, 12.529, 238.499 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 22, 12.529, 238.499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

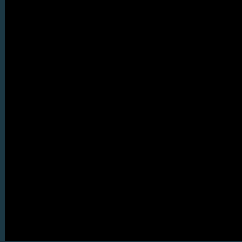
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

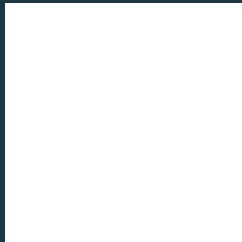
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 22, 12.529, 238.499

Background



This preview shows how black text looks on a background with the CIELCh color 22, 12.529, 238.499.



This preview shows how white text looks on a background with the CIELCh color 22, 12.529, 238.499.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22, 12.529, 238.499

Protanopia

22, 8.798, 283.968

Deuteranopia

22, 11.451, 286.627



Tritanopia
22, 11.839, 214.161

Trichromacy



Original Color
22, 12.529, 238.499

Protanomaly
22, 9.392, 258.544

Deuteranomaly
22, 11.063, 265.223

Tritanomaly
22, 11.791, 221.385

Monochromacy



Original Color
22, 12.529, 238.499

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 5.358, 229.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 12.529, 238.499 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(28, 56, 68)` looks like.

```
.text, #text, p{  
    color:rgb(28, 56, 68)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(28, 56, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 56, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 12.529, 238.499 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(28, 56, 68) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(28, 56, 68) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(28, 56, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 56, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 56, 68);  
box-shadow:4px 4px 4px 4px rgb(28, 56, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 12.529, 238.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 56, 68) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(28, 56,  
68) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor